

LMX-0800 Series

8-Port Industrial Managed Ethernet Switch, with 8*10/100Tx Ports



Features

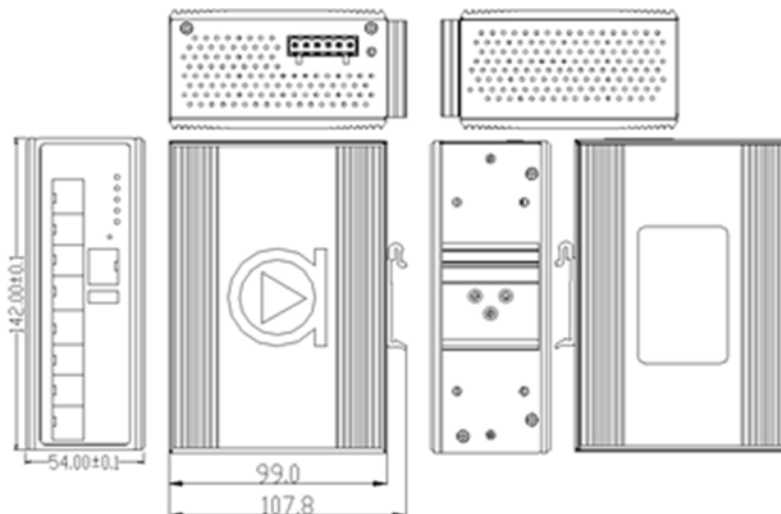
- ▶ Supports 8*10/100Tx RJ45 Ports
- ▶ Network Redundancy: STP/RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)
- ▶ Supports IPv4/IPv6, and DHCP Option 66/67/82
- ▶ Supports Modbus/TCP Protocol for Device Management and Monitoring
- ▶ Configuration: Web Console, Telnet, CLI Command
- ▶ IGMP v1/v2 for Multicast Traffic Filtering
- ▶ System Warning Setting for Automatic Warning through E-mail
- ▶ QoS (IEEE802.1p/1Q), CoS/ToS to Increase Determinism
- ▶ IEEE802.1Q VLAN for Easy Network Planning
- ▶ Enhanced Network Security with IEEE802.1X, SNMP v1/v2c/v3, HTTPS, and SSH/SSL
- ▶ Auto Warning by Exception through E-mail, Relay Output
- ▶ Operating Temperature Range: STD: -10° to 70°C, EOT: -40° to 75°C
- ▶ 5-Year Warranty

INTRODUCTION

Antaira Technologies' LMX-0800 series is an 8-port industrial managed Ethernet switch that is embedded with 8*10/100Tx Ethernet ports. The LMX-0800 series is a fully manageable Layer 2 Ethernet switch that is pre-loaded with a user-friendly web management console design. It supports the ring network redundancy function using the market's open standard ITU-T G.8032 ERPS (Ethernet Ring Protection Switch) protocol that has a <50ms network recovery time. The advanced network filtering and security functions, such as, IGMP, VLAN, QoS, SNMP, port lock, RMON, Modbus TCP, and 802.1X/HTTPS/SSH/SSL increase determinism and improve network management for remote SCADA systems or control networks.

The LMX-0800 series is IP30 rated and DIN-rail mountable. There are also two wide operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides high EFT and ESD protection for industrial networking applications, such as, power/utility, water wastewater, oil/gas/mining, factory automation, security surveillance within transportation, ITS and any other outdoor or harsh environment.

DIMENSIONS



SPECIFICATIONS

| Technology | | Protection | |
|-------------------|---|-----------------------------|--|
| Standards | IEEE 802.3 10Tx Ethernet | Overload Current Protection | Present |
| | IEEE 802.3u 100Tx Fast Ethernet | Power Reverse Polarity | Present |
| | IEEE 802.3x Flow Control for Full Duplex | CPU Watchdog | Present |
| | IEEE 802.3ad for Port Trunk with LACP | Network Cable | 10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA-568 100-ohm (100m) |
| | IEEE 802.1d STP (Spanning Tree Protocol) | | 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m) |
| | IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) | | |
| | IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) | Mechanical Characteristics | |
| Switch Properties | ITU-T G.8032/Y.1344 ERPS (Ethernet Ring Protection Switch) Protocol | LED Indicators | Per Unit: Power 1 & 2 (Green), Fault (Green/Red) |
| | IEEE 802.1Q for VLAN Tagging | Housing | Metal, IP30 rated |
| | IEEE 802.1x for Network Authentication | Dimension | 54 x 142 x 99 mm |
| | IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization | Weight | Unit: 2.4 lbs Shipping: 2.9 lbs |
| | | Mounting | DIN-Rail; Wall-mount (optional) |
| | | Power Requirement | |
| | | Input Voltage | 12~48VDC Redundant Input |
| Port Interface | IGMPv1/v2, SNMPv1/v2c/v3, TFTP, SNMP, SMTP, RMON, HTTP, HTTPS, Telnet, Syslog, DHCP Option 66/67/82, SSH/SSL, Modbus/TCP, LLDP, IPv4/IPv6 | Power Connection | 1 removable 6-contact terminal block |
| | Configuration: Web Console, Telnet, CLI | Power Consumption | 15 Watts |
| | Processing Type: Store and Forward | Environmental Limits | |
| | Flow Control: IEEE 802.3x for full duplex mode, back pressure for half duplex mode | Operating Temperature | STD: -10° to 70°C EOT: -40° to 75°C |
| | Transfer Rate: 14,880pps for 10Base-T Ethernet 148,800pps for 100Base-T Fast Ethernet | Storage Temperature | -40°~85°C |
| | Packet Buffer: 4 Mbits | Ambient Relative Humidity | 5 to 95%, (non-condensing) |
| | Jumbo Frame: - | Regulatory Approvals | |
| Port Interface | MAC Table Size: 8K | EMI | FCC Class A |
| | VLAN Group: 0 ~ 4094 | EMS | EN61000-4-2,3,4,5,6,8 EN61000-6-2,4 |
| | IGMP Group: Up to 256 Group | Free Fall | IEC60068-2-32 |
| | Ethernet Port: 8*10/100BaseTx auto negotiation speed, Full/Half duplex mode, and auto MDI connection | Shock | IEC60068-2-27 |
| | RS232 Serial Console: 1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1 | Vibration | IEC60068-2-6 |
| | Configuration Backup: 1*USB 2.0 | Green | RoHS Compliant |
| | | Certifications | FCC, CE, UL 61010-1, UL 61010-2-201 |
| | | Warranty | 5 Years |

ORDERING INFO

| LMX-0800 | 8-Port Industrial Managed Ethernet Switch, with 8*10/100Tx Ports |
|----------------------|---|
| LMX-0800-T | 8-Port Industrial Managed Ethernet Switch, with 8*10/100Tx Ports; EOT: -40° to 75°C |
| Optional Accessories | |
| MDR-60-24 | 60W Industrial Din Rail Power Supply, 24VDC |
| MDR-60-48 | 60W Industrial Din Rail Power Supply, 48VDC |
| DR-75-48 | 75W Industrial Din Rail Power Supply, 48VDC |
| DIN-RACK-2U | DIN-Rail to 19" Rack Mount Adapter for all DIN-Rail Mountable Products, 2U Height |